

WHAT IS CLAIMED IS:

1. A system for controlling pagination of a presentable object in a computer application, the system comprising:
 - a set of user-definable classes for representing pages on which the presentable object is paginated;
 - a set of user-definable methods utilizing the user-definable classes to paginate the object.
2. The system of claim 1 wherein the set of user-definable classes comprises:
 - a first class for representing display information of a page;
 - a second class for representing descriptive information of a page;
 - a third class for representing page break information; and
 - a fourth class for representing positional information of content.
3. The system of claim 1 wherein the set of user-definable methods comprises:
 - a method for measuring the object for pagination; and
 - a method for arranging paginated pages of the object for display.
4. The system of claim 3 wherein the set of user-definable methods further comprises:
 - a method for updating the pagination of an object.
5. The system of claim 3 wherein the set of user-definable methods further comprises:
 - a method for calculating page break positions for an object to be paginated.
6. The system of claim 3 wherein the set of user-definable methods further comprises:
 - a method for setting a host of the object.
7. A system for hosting a paginating control for an object in a computer application, the system comprising:
 - a set of user-definable classes for representing pages on which the object is paginated;
 - and
 - a set of user-definable methods utilizing the user-definable classes to interact with the paginating control.

8. The system of claim 7 wherein the set of user-definable classes comprises:
 - a first class for representing display information of a page;
 - a second class for representing descriptive information of a page;
 - a third class for representing page break information; and
 - a fourth class for representing positional information of content.
9. The system of claim 7 wherein the set of user-definable methods comprises:
 - a first method for receiving notification that content in the object has changed.
10. The system of claim 9 wherein the first method includes a start position and an end position between which content in the object has changed.
11. The system of claim 9 wherein the set of user-definable methods further comprises:
 - a method for receiving notification that content in the object requires a different page size.
12. A system for controlling pagination of, and hosting paginating controls for, objects in a computer application, the system comprising:
 - a set of user-definable classes for representing pages on which objects are paginated;
 - a set of user-definable methods utilizing the user-definable classes to paginate objects;and
 - a set of user-definable methods utilizing the user-definable classes to interact with paginating controls.
13. The system of claim 12 wherein the set of user-definable classes comprises:
 - a first class for representing display information of a page;
 - a second class for representing descriptive information of a page;
 - a third class for representing page break information; and
 - a fourth class for representing positional information of content.
14. A method for formatting a page for presentation in a computer system, the method comprising:
 - receiving a size parameter;
 - receiving a page descriptor parameter; and

causing a page measuring function to provide a formatted page, using the size parameter and page descriptor parameter.

15. The method of claim 14 wherein the page descriptor parameter comprises page break information.

16. A method for arranging a page for presentation in a computer system, the method comprising:

receiving a page parameter;

receiving a size parameter; and

causing a page arranging function to arrange the page for presentation, using the page parameter and the size parameter.

17. A method for calculating page break information for a page in a computer system, the method comprising:

receiving a size parameter;

receiving a page descriptor parameter; and

causing a page break calculating function to provide a page break information parameter, using the size parameter and page descriptor parameter.

18. A method for notifying that a page requires formatting for presentation in a computer system, the method comprising:

receiving a child element parameter representing the page; and

causing a notification function to notify a host element of the child element's need to be formatted, using the child element parameter.

19. The method of claim 18 further comprising:

receiving a start position parameter; and

receiving an end position parameter.